ANNUAL REPORT
1999 - 2000

Manitoba Health Research Council
P127 - 770 Bannatyne Avenue
Winnipeg, Manitoba R3E 0W3
(204) 775-1096

MISSION STATEMENT

To promote the growth and coordination of the health research enterprise in Manitoba

For more information contact:

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MEMBERS OF THE MANITOBA HEALTH RESEARCH COUNCIL

Dr. I. C. P. Smith ✦, Chair
Director General
Institute for Biodiagnostics
National Research Council

Dr. J. Arnett
Head, Clinical Health Psychology,
University of Manitoba

Mr. M. Eva ✦, Vice-Chair
President, John A. Flanders Ltd.

Dr. J. Evans ✦
Department of Biochemistry
& Medical Genetics
University of Manitoba
(from June 1999)

Dr. N. Fleming
Department of Oral Biology
University of Manitoba
(from June 1999)

Dr. B. Friesen
President, Medicure Inc.

Dr. G. Glavin ✧
Associate Vice-President (Research)
University of Manitoba

Dr. J. Keselman ✧ ✦
Vice President (Research)
University of Manitoba.

Mr. T. McCormack
Senior Policy Advisor
Department of Health

Dr. C. Metge
Faculty of Pharmacy
University of Manitoba
(from June 1999)

Dr. B. Postl
Vice President (Clinical Services)
Winnipeg Hospital Authority
(to February 2000)

Dr. L. Strain
Director, Centre on Aging,
University of Manitoba

✦ Members of the Executive/Finance Committee

✧ Appointed by the University of Manitoba

COUNCIL SECRETARIAT

Executive Director
Dr. Bruce E. McDonald

Administrative Secretary
Ms Elizabeth C. Ford

REPORT OF THE CHAIRMAN

I am pleased to report on activities of the Manitoba Health Research Council during the past year, my second as Chairman.

The health research environment continued to undergo significant change over the past year. Of primary significance was the passage by the Federal Government of Bill C-13 and the creation of the Canadian Institutes of Health Research (CIHR). The formal adoption of CIHR as the major federal agency funding health research in Canada brought with it the termination of the Medical Research Council, which had supported medical research since its inception on July 4, 1960. Consistent with the broader mandate of CIHR and the consolidation of health research in Canada in a single agency was the transfer by Health Canada of the research areas traditionally supported through its extramural research program, the National Health Research and Development Program (NHRDP) to CIHR. The aim of the CIHR is to excel in health research, as judged by international standards, and to promote the conversion of this new understanding into better health care for Canadians. The formation of the CIHR was accompanied by the announcement of increased funding to talented investigators in an effort to retain the brightest and best scientists, and thereby maintain a strong cadre of internationally competitive health researchers in Canada.

Another major development on the federal scene, although not exclusive to health research, was the establishment of the Canada Research Chairs Program which will fund 2000 new research chairs at Canadian universities over the next three years. The chairs will be allocated on the basis of each university's success in obtaining grants from the three Federal funding agencies, namely, CIHR, NSERC and SSHRC, over the past three years. Although initially welcomed by universities across the country, concern has been expressed recently over the prospect that the program, which is intended to help Canadian universities attract and retain the best scientific talent, will result in intense competition among Canadian universities for the brightest scientific minds. There is grave concern that the program will result in the consolidation of Canada's top scientists in six or seven research-intensive universities. The MHRC is extremely concerned with the prospect of Manitoba losing some of its most capable researchers. As one of the provinces identified as "a smaller province with a medical faculty", Manitoba is especially vulnerable to raids of its researchers by other provinces.

These developments and the increased trend to co-sponsorship of research by Federal funding agencies, mentioned in last year's report, continue to intensify the need for increased focus and greater coordination of health research efforts at the Provincial level. Our Council was very pleased with the announcement by the present Provincial government of 1 M $ per year over the next five years in matching funds to the CIHR Regional Partnerships Program (CIHR-RPP). We were also pleased to be named the agency to distribute and monitor these funds on behalf of the Province. This significant pledge by the Government to health research is a very positive sign of support to researchers for their important role in improving the health care of Manitobans. Provincial participation in the Partnerships Program guarantees Manitoba researchers an additional 2 M $ annually in support of their research efforts. In addition, the provision of special funds for the Partnerships Program has allowed our Council to allocate core funds, previously diverted to matching CIHR-RPP awards, to the support of its regular programs.

One of the main activities of Council over the past year was the development of a draft proposal for the restructuring of MHRC and its programs. The document "A Proposal to Restructure the Manitoba Health Research Council and Its Programs" was presented to the Minister of Health during the Executive Committee's annual meeting with the Minister. We were pleased with the favorable reception given the proposal by The Honourable Dave Chomiak and the pledge to continue discussion of the proposal and develop a strategy with us. The central thrust of the proposal is the leadership role a restructured MHRC can take in coordinating health research in Manitoba, in light of the major changes occurring in health research funding in Canada. The proposal identifies the urgent need for the Province to establish clear goals and priorities for health research if Manitoba is to gain optimum benefit from the funding opportunities available in the current health research environment. Benefit can only accrue to Manitoba from the increased funding pledged by the Federal government if there is a clear concept of the research activities that are most advantageous to the Province's needs and if the personnel and infrastructure are in place to exploit the new funding opportunities. The Council believes that a restructured MHRC will not only expand and strengthen health research in Manitoba but will support improved health care delivery and efficiency.

The MHRC was pleased to run another competition in the University-Industry Awards Program in the past fiscal year. The program, which promotes cooperation between university scientists and industry, provides funding support at a very early stage in the development of an idea or product. The program had to be suspended for one year due to diversion of residual funds in the Strategic Health and Development Fund to the support of CIHR(MRC)-RPP awards. We remain optimistic that the Government will find renewed funds for this program which has generated over 6 M $ in matching funds from industry in its 10-year history. If Manitoba is to compete both nationally and internationally in the development and adoption of new technologies, which are expected to dominate health care delivery over the decade, it is imperative that funding be provided for the University-Industry program.

Our Council continued to commit the bulk of its budget to the support of graduate students, post-doctoral fellows and young researchers; in fact, 88 percent of the Council's expenditures for 1999-2000 went to these programs. Members of the Council believe that future research in the basic, clinical and applied health sciences is served most pragmatically

through the support of young, highly capable individuals. However, the inability to support many highly qualified individuals due to a lack of funds continues to frustrate us and the members of our review committees. Further frustration comes from the inability to provide any support, beyond the 6.2 percent of total expenditures allocated to partnership programs, to more senior researchers. The latter have been admirably successful in competition for national and international research funds in spite of this lack of support. Regrettably, however, taken overall Manitoba researchers continue to fall further behind in competition for external funds in the highly competitive environment that prevails for health research dollars.

In order to maintain the quality and credibility of its support programs, our Council is aided in the review of all applications by peer review committees. We are extremely grateful to the heads and members of these review committees for the many hours they put into review and evaluation of applications to MHRC. We are also sincerely gratefully to the large number of out-of-province external reviewers who generously contribute their expertise to the review process. The latter are especially important as an indicator of the quality of the applications to MHRC relative to research initiatives nationally and internationally. MHRC's award programs are based on the principle that excellence is the most important criterion for success.

On behalf of the MHRC, I wish to thank sincerely Dr. Joanne Keselman, who has just completed her term, and Dr. Brian Postl, who resigned due to the pressure of other duties, for their wise advice and dedicated service. I would also like to welcome Dr. Gary Glavin to a second term and Dr. Pat Choy as a new member of Council. In addition, I would like to take this opportunity to congratulate Dr. Glavin on his appointment to the inaugural Governing Council of the CIHR.

Respectfully submitted,

Ian C. P. Smith, Ph.D.
Chairman

PURPOSE AND OVERVIEW OF PROGRAMS

1. PURPOSE

Established by an Act of the Legislature June 30, 1982 to promote and assist basic, clinical and applied research in the health sciences in Manitoba and advise the Minister on health research matters referred to Council.

2. FUNDING

Core Programs: These programs have been funded by grants from the Department of Health and the Manitoba Lotteries Foundation. Funding for 1999/00 was $1,752,600 from the lotteries funded portion of the Department of Health budget.

University-Industry Program: This program is supported by a fund established with monies transferred by the Federal Government to the Province as a result of Bill C-22 (act to amend the drug patent act). Once these funds have been expended, no future funding source has been identified to allow continuation of this economically extremely important program.

3. PROGRAMS

i. Core Programs

Establishment Grants: Establishment Grants are provided to recently recruited faculty members to permit them to focus on establishing research programs. The awards, for up to $100,000 to be used within a 3-year period, provide support for a variety of purposes, e.g., buy-out of teaching time, salary for research personnel (other than the applicant's salary), purchase of equipment and supplies, etc.. Council will not normally consider applications for Establishment Grants from individuals who have been independent for more than three years.

Operating Grants: Normally only investigators who hold an academic appointment (or equivalent) in the Province of Manitoba and have been independent investigators for a period of not more than five years are eligible to apply. Investigators who do not meet these requirements should consult with Council to establish their eligibility before applying.

Postdoctoral Fellowships: A limited number of fellowships are available to qualified candidates with a doctoral degree whose prior postdoctoral research training shall normally not exceed 3 years.

Graduate Studentships: A limited number of studentships are offered to qualified graduate students who are undertaking full-time Master's or Doctoral programs in the Province of Manitoba. However, in disciplines where training at the pre-doctoral level is not available within the Province, Council will consider funding elsewhere if documented evidence is provided confirming the unavailability of Provincial training opportunities and a firm intent to return to the Province after training.

PhD Dissertation Awards: Dissertation awards are provided to students enrolled in a PhD program in population health or health-related social sciences in Manitoba who have completed all relevant course work and whose dissertation proposal has been approved by their PhD Advisory Committees. The awards, for up to $5,000, are to be used to cover costs incurred in the conduct of the students' dissertation research.

Bridge Funding: Bridge funding awards are once only, one year awards designed to allow experienced, productive investigators, who have lost funding from a major national agency, to maintain their research operation while they attempt to regain national funding.

Partnership Programs: Partnership awards (matching funds) are available to individuals who have been awarded MRC Regional Partnership Program grants provided they have received an MRC rating of 3.5 or above or a grant with a comparable rating from an equivalent program. Awards from MHRC will be for one year only.

1999 - 2000 FISCAL EXPENDITURES OVERVIEW

TOTAL EXPENDITURES

	AMOUNT	%
TOTAL	**$1,934,217**	**100.0**
Grants and Awards	$1,825,072	94.36
Administration	$ 109,145	5.64

ADMINISTRATION

	AMOUNT	%
TOTAL	**$109,145**	**100.0**
Salaries	$94,464	86.55
Supplies & Equipment	$4,503	4.13
Miscellaneous	$10,178	9.32

GRANTS AND AWARDS

	#	AMOUNT	%
TOTAL		**$1,825,072**	**100.0**
Establishment Grants	9	$349,800	19.17
Postdoctoral Awards	9	$261,000	14.30
Studentship Awards	34	$533,528	29.23
Operating Grants	9	$418,400	22.92
Bridge Funding Grants	1	$10,000	0.55
Regional Partnership Grants	4	$119,888	6.57
University/Industry Grants	2	$132,456	7.26

THE MANITOBA HEALTH RESEARCH COUNCIL

MANAGEMENT REPORT

The accompanying financial statements are the responsibility of management and have been prepared in accordance with generally accepted accounting principles. In management's opinion the financial statements have been properly prepared and of necessity include some amounts based upon management's best estimates and judgements.

As management is responsible for the integrity of the financial statements, management has established systems of internal control to provide assurance that assets are properly accounted for and safeguarded from loss.

Bruce E. McDonald

B.E. McDonald, Ph.D, FCIFST
Executive Director

DAY & STOKOTELNY

CHARTERED ACCOUNTANTS
BUSINESS CONSULTANTS

Kenneth E. Day, CA
Ronald W. Stokotelny, CA

100 - 1602 St. Mary's Road
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Phone: (204) 985-6767
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June 22, 2000

AUDITORS' REPORT

To the Legislative Assembly of Manitoba:

We have audited the statement of financial position of **The Manitoba Health Research Council** as at March 31, 2000 and the statements of revenue, expenditures and fund balances and changes in cash flows for the year then ended. These financial statements are the responsibility of Management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform an audit to obtain reasonable assurance whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation.

In our opinion, these financial statements present fairly, in all material respects, the financial position of The Manitoba Research Council as at March 31, 2000, and the results of its operations for the year then ended in accordance with generally accepted accounting principles.

Day & Stokotelny

Chartered Accountants

THE MANITOBA HEALTH RESEARCH COUNCIL

STATEMENT OF FINANCIAL POSITION

MARCH 31	2000	1999
ASSETS		
Current		
Cash	$ 4,648	$ 56,752
Short term investments (market value $908,528; 1999 - $1,095,092)	858,608	1,017,598
Accrued interest receivable	40,279	79,321
Accounts receivable	9,313	336
Deposits	500	500
	913,348	1,154,507
Capital assets, at cost (note 2)		
Office equipment	6,375	6,375
Computer equipment	2,515	2,515
	8,890	8,890
Less: Accumulated amortization	(2,489)	(889)
	6,401	8,001
	$ 919,749	$ 1,162,508
LIABILITIES		
Current		
Accounts payable and accrued liabilities	$ 6,433	$ 4,300
Research grants payable	142,711	595,198
	149,144	599,498
Non-current research grants payable	42,000	18,250
	191,144	617,748
FUND BALANCES		
Research Fund	314,417	110,454
Strategic Health Research Development Fund	414,188	434,306
Total fund balances	728,605	544,760
	$ 919,749	$ 1,162,508

APPROVED BY THE BOARD

Director

Director

THE MANITOBA HEALTH RESEARCH COUNCIL

STATEMENT OF REVENUE, EXPENDITURES AND FUND BALANCES

YEAR ENDED MARCH 31, 2000

	Research Fund	Strategic Health Research Development Fund	2000 Total	1999 Total
REVENUE				
Province of Manitoba – Grant	$ 1,752,600	$ -	$ 1,752,600	$ 1,752,600
Grants returned / rescinded	190,144	126,551	316,695	372,857
Interest	30,236	18,531	48,767	98,243
	1,972,980	145,082	2,118,062	2,223,700
EXPENDITURES				
Personnel awards	794,528	-	794,528	708,985
Research grants	778,200	132,456	910,656	1,146,897
Regional Partnership Awards	119,888	-	119,888	649,548
Administration (schedule)	76,401	32,744	109,145	108,716
	1,769,017	165,200	1,934,217	2,614,146
Excess (deficiency) of revenue over expenditures	203,963	(20,118)	183,845	(390,446)
FUND BALANCES				
Fund balances, beginning	110,454	434,306	544,760	935,206
Fund balances, ending	$ 314,417	$ 414,188	$ 728,605	$ 544,760

THE MANITOBA HEALTH RESEARCH COUNCIL

STATEMENT OF CHANGES IN CASH FLOWS

YEAR ENDED MARCH 31	2000	1999
Operating activities		
Excess (deficiency) of revenue over expenditures	$ 183,845	$ (390,446)
Amortization not requiring a current outlay of funds	1,600	889
Net change in non-cash working capital balances related to operations	(261,299)	665,670
	(75,854)	276,113
Investing activities		
Purchase of capital assets	-	(8,890)
Financing activities		
Increase (decrease) in non-current research grant	23,750	(211,750)
Increase (decrease) in cash during the year	(52,104)	55,473
Cash, beginning of year	56,752	1,279
Cash, end of year	$ 4,648	$ 56,752

THE MANITOBA HEALTH RESEARCH COUNCIL

NOTES TO FINANCIAL STATEMENTS

MARCH 31, 2000

1 **Incorporation and function**

The Manitoba Health Research Council was established by The Manitoba Health Research Council Act to promote and assist basic, clinical and applied research in the health sciences in Manitoba. The Council relies entirely on grants from the Province of Manitoba and its agencies. The Manitoba Health Research Council is a registered charity within the meaning of the Income Tax Act.

2 **Significant accounting policies**

Fund accounting

The Manitoba Health Research Council follows the restricted fund method of accounting for contributions.

The Strategic Health Research Development Fund reports only restricted resources that are used for qualified research and development projects in the health industry sector in Manitoba. Grants awarded to qualified researchers must be matched by private sector grants awarded to those researchers. Grants and awards are recorded as an expenditure in the year the commitment is made regardless of when the grant will be paid out.

The Research Fund reports only restricted resources that are used for research purposes.

Capital assets

Capital assets are amortized at rates and methods designed to write-off the assets over their estimated useful lives as follows:

Office equipment	20% diminishing balance
Computer equipment	20% diminishing balance

Short-term investments

Short-term investments are carried at the lower of cost and market value.

Interest revenue

Interest revenue is allocated proportionately to the Strategic Health Research Development Fund and to the General Fund on the basis of monthly Fund balances.

Research grants

Research grants are charged to expenditures when funding is committed by Council. Research grants returned to or rescinded by the Council are recorded as revenues when received or rescinded.

Personnel Awards

Personnel awards and their renewals are charged to expenditures when funding is approved by Council.

Administration Expenditures

Administration expenditures are allocated 30% to the Strategic Health Research Development Fund and 70% to the Research Fund.

3 Future commitments of the Research Fund

The Manitoba Health Research Council has committed grants and awards under the Research Fund as follows:

2001	$ 838,008
2002	80,000
	$ 918,008

Future commitments of the Research Fund are not recorded as an expenditure in the year of commitment. These commitments are conditional on provincial government funding in future years.

4 Related party transactions

Office accommodation is provided at no charge by the University of Manitoba.

In addition to those related party transactions disclosed elsewhere in these financial statements, the Council is related to all Province of Manitoba departments and agencies. The Council enters into transactions with these entities in the normal course of business.

5 Uncertainty due to the Year 2000 Issue

The Year 2000 Issue arises because many computerized systems use two digits rather than four to identify a year. Date-sensitive systems may recognize the year 2000 as 1900 or some other date, resulting in errors when information using year 2000 dates is processed. In addition, similar problems may arise in some systems which use certain dates in 2000 to represent something other than a date. The effects of the Year 2000 Issue may be experienced before, on, or after January 1, 2000, and, if not addressed, the impact on operations and financial reporting may range from minor errors to significant systems failure which could affect an entity's ability to conduct normal business operations. It is not possible to be certain that all aspects of the Year 2000 Issue affecting the entity, including those related to the efforts of customers, suppliers, or other third parties, will be fully resolved.

THE MANITOBA HEALTH RESEARCH COUNCIL

Schedule

ADMINSTRATION EXPENDITURES

YEAR ENDED MARCH 31	2000	1999
Amortization	$ 1,600	$ 889
Audit	2,100	1,600
Bank charges	274	110
Council and committee expenses	1,714	5,973
Goods and Services Tax	264	578
Insurance	2,975	3,032
Office maintenance	679	725
Postage and delivery	1,091	483
Printing and stationery	2,903	3,886
Salaries and benefits	94,464	90,328
Telephone	1,081	1,112
	$ 109,145	$ 108,716

GENERAL COMPETITION

OPERATING & ESTABLISHMENT GRANT
SCIENTIFIC REVIEW COMMITTEE

Dr. R. Bhullar - Chair
Department of Oral Biology
University of Manitoba

Dr. F. Amara
Department of Biochemistry
St. Boniface Hospital Research Centre

Dr. A. Becker
Department of Pediatrics
University of Manitoba

Dr. F. Burczynski
Faculty of Pharmacy
University of Manitoba

Dr. A. Dawson
Department of Pediatrics
University of Manitoba

Dr. J. Docherty
Institute for Biodiagnostics
National Research Council

Dr. A. Junaid
Department of Internal Medicine
University of Manitoba

Dr. A. Lukas
Institute for Cardiovascular Sciences
St. Boniface Hospital Research Ctr.

Dr. J. Peeling
Department of Pharmacology
University of Manitoba

Dr. R. Sparling
Department of Microbiology
University of Manitoba

Dr. B. Triggs-Raine
Department of Biochemistry
University of Manitoba

Dr. G. Zhong
Department of Medical Microbiology
University of Manitoba

PERSONNEL REVIEW COMMITTEE

Dr. J. Eales – Chair
Department of Zoology
University of Manitoba

Dr. Asher Begleiter
Institute of Cell Biology
Manitoba Cancer Treatment
& Research Foundation

Dr. D. Court
Department of Microbiology
University of Manitoba

Dr. L. Hryshko
Institute of Cardiovascular Sciences
St. Boniface Hospital Research Centre

Dr. J. Johnston
Department of Internal Medicine
University of Manitoba

Dr. V. Kupriyanov
Institute for Biodiagnostics
National Research Council

Dr. P. Nickerson
Department of Immunology
University of Manitoba

Dr. J. O'Neil
Department of Chemistry
University of Manitoba

Dr. Elliott Scott
Department of Oral Biology
University of Manitoba

Dr. J. Vriend
Department of Anatomy & Cell Science
University of Manitoba

Dr. P. Zahradka
Division of Cardiovascular Sciences
St. Boniface Hospital Research Centre

Dr. S. Zelenitsky
Faculty of Pharmacy
University of Manitoba

SOCIAL/POPULATION HEALTH REVIEW COMMITTEE

Dr. J. O'Neil - Chair
Dept. of Community Health Sciences
University of Manitoba

Dr. J. Blanchard
Manitoba Health
Province of Manitoba

Dr. W. Dahlgren
Natural Resources Institute
University of Manitoba

Dr. J. Davison
Faculty of Nursing
St. Boniface Hospital Research Ctr.

Dr. L. Graff
Clinical Health Psychology
University of Manitoba

Dr. A. Katz
Dept. of Family Medicine
St. Boniface Hospital

Dr. R. McIlwraith
Clinical Health Psychology
University of Manitoba

Dr. V. Menec
Department of Community
Health Sciences
University of Manitoba

Dr. B. Payne
Department of Sociology
University of Manitoba

Dr. A. Yassi
Department of Community
Health Sciences
University of Manitoba

BRIDGE FUNDING REVIEW COMMITTEE

Chair – Dr. R. Bhullar
Department of Oral Biology
University of Manitoba

Dr. F. Burczynski
Faculty of Pharmacy
University of Manitoba

Dr. A. Junaid
Department of Internal Medicine
University of Manitoba

Dr. A. Lukas
Institute for Cardiovascular Sciences
St. Boniface Hospital Research Centre

OPERATING GRANTS

NEW OPERATING GRANTS

Investigator(s), Department, Institution. **Project or Field of Research.**	**Amount**
Eisenstat, David , Pediatrics & Child Health, Manitoba Cancer Treatment & Research Foundation. Glia maturation factor (GMF): Examination of its role as an actin depolymerizing factor in health and disease.	$47,000 .00
Furer, Patricia , Clinical Health Psychology, University of Manitoba. Cognitive behavioral group treatment for hypochondriasis.	$26,400.00
Pind, Steven , Biochemistry, University of Manitoba. Biochmenical and funcitonal characterization of 3-phosphoglycerate dehydrogenase.	$65,000.00
TOTAL	**$ 138,400.00**

OPERATING GRANT RENEWALS

Investigator(s), Department, Institution. **Project or Field of Research.**	**Amount**
Birk, Patricia, Pediatric Nephrology, University of Manitoba. Role of matrix metalloproteinases and their inhibitors in chronic renal allograft rejection.	$37,700.00
Del Bigio, Marc R., Pathology, University of Manitoba. Brain damage in hydrocephalus: can it be attenuated or reversed.	$73,500.00
Junaid, Asad, Internal Medicine, University of Manitoba. Molecular mechanisms of chronic renal injury: Focus on the tubulointerstitium and differential gene expression.	$44,300.00

Investigator(s), Department, Institution. Project or Field of Research.	Amount
Metge, Colleen J., Faculty of Pharmacy, University of Manitoba. Evaluating drug therapy effectiveness in the population of Manitoba elderly.	$48,000.00
Myal, Yvonne, Pathology, University of Manitoba. The role of the IGFI receptor (IGFIR) in mammary gland development and functions.	$35,000.00
Wylie, John L., Clinical Microbiology, Cadham Provincial Laboratory. Social patterns within Chlamydia trachomatis-infected populations: Combining sexual network analysis and molecular biology to test theoretical models.	$41,500.00
TOTAL	**$280,000.00**

BRIDGE FUNDING AWARD

Investigator(s), Department, Institution. Project or Field of Research.	Amount
Degner, Leslie, Faculty of Nursing, University of Manitoba. Developing innovative nursing interventions to influence practice and policy in cancer care, palliative care and cancer prevention.	$10,000.00
Total	**$10,000.00**

NEW REGIONAL PARTNERSHIP AWARDS

Investigator(s), Department, Institution. **Project or Field of Research.**	**Amount**
Ogborn, Malcolm, Pediatric Nephrology, University of Manitoba. Nutritional alteration in prevention, metabolism and diagnosis of chronic renal failure.	$ 9,313.00
Shen, Garry, Internal Medicine & Physiology, University of Manitoba. Signal transduction and transcriptional regulation mechanism for oxidatively modified atherogenic lipoproteins-induced overproduction of plasminogen activator inhibitor-1 in vascular endothelial cells.	$36,394.00
Total	**$45,707.00**

REGIONAL PARTNERSHIP AWARD RENEWALS

Investigator(s), Department, Institution. **Project or Field of Research.**	**Amount**
Davie, James, Biochemistry, University of Manitoba. Estrogen receptor: nuclear matrix acceptors and target DNA in human breast cancer.	$37,437.00
Murphy, Liam J., Physiology, University of Manitoba. The interrelationship of IGF and TGF-ß growth factor systems in breast cancer.	$36,744.00
Total	**$74,181.00**

PERSONNEL AWARDS

NEW ESTABLISHMENT GRANTS

Recipient, Department, Institution. **Project or Field of Research.**	**Amount**
Amara, Francis, Division of Alzheimer's Disease, St. Boniface Hospital Research Centre. Post transcriptional regulation of the alzheimer precursor protein mRNA by transforming growth Factor - B.	$35,000.00
Hicks, Geoffrey , Manitoba Institute of Cell Biology, Manitoba Cancer Treatment & Research Foundation. Development of an embryonic stem cell library of defined mutations.	$46,000.00
Porter, Michelle, Physical Education & Recreation Studies, University of Manitoba. Neural contributions to lengthening contractions as assessed by functional magnetic resonance imaging and isokinetic dynamometry.	$84,000.00
Yang, Xi , Medical Microbiology, University of Manitoba. Study of the roles played by cytokines/chemokines in allergy and infection and development of immunoprophylactic approaches for these diseases.	$60,000.00
TOTAL	**$ 225,000.00**

ESTABLISHMENT GRANT RENEWALS

Recipient, Department, Institution. **Project or Field of Research.**	**Amount**
Junaid, Asad, Internal Medicine, University of Manitoba. Molecular mechanisms of chronic renal injury: Focus on the tubulointerstitium and differential gene expression.	$ 20,000.00

Recipient, Department, Institution. **Project or Field of Research.**	**Amount**
Mai, Sabine, Physiology, University of Manitoba. Functional interactions between c-Myc and p53 during c-Myc-dependent genomic instability and neoplasia?	$33,000.00
Metge, Colleen J., Faculty of Pharmacy, University of Manitoba. Evaluating drug therapy effectiveness in the population of Manitoba elderly.	$25,000.00
Myal, Yvonne, Pathology, University of Manitoba. The role of the IGFI receptor (IGFIR) in mammary gland development and functions.	$33,300.00
Zhong, Guangming, Medical Microbiology, University of Manitoba. Mechanisms of MHC class II antigen processing and presentation during intracellular infection with Chlamydia trachomatis.	$13,500.00
TOTAL	**$124,800.00**

NEW POSTDOCTORAL FELLOWSHIP AWARDS

Fellow (Supervisor), Department, Institution. **Project or Field of Research.**	**Award**
Adeyinka, Adewale (Dr. P. Watson) Pathology, University of Manitoba. The role of the Psoriasin gene in human breast cancer.	$28,000.00
Baijal, Priti (Drs. A. Greenberg & S. Mai) Manitoba Institute of Cell Biology, Manitoba Cancer Treatment & Research Foundation. Apoptosis and genomic instability/Regulation of B cell neoplasia via extrachromosomal DNA induced apoptosis.	$28,000.00
Brown Gladden,Jennifer (Dr. M. Mowat) Manitoba Institute of Cell Biology, Manitoba Cancer Treatment & Research Foundation. Genetic markers in non-small cell lung cancer.	$28,000.00

Fellow (Supervisor), Department, Institution. **Project or Field of Research.**	**Award**
Campbell, John (Dr. K. T. HayGlass) Immunology, University of Manitoba. Chemokine function in maintenance of established type 1 and type 2 cytokine responses: The Role of IP-10.	$28,000.00
Lytras,Aristides (Dr. A. Angel & M. Vrontakis) Human Anatomy & Cell Science, University of Manitoba. The HDL scavenger receptor system in adipose tissue: Structure and function.	$28,000.00
Mao, Xiao-Juan (Dr. Z. Peng) Pediatrics & Immunology, University of Manitoba. Immunology: CpG oligodeoxynucleotide vaccination in allergic diseases.	$28,000.00
Othman, Timothy (Dr. F. Parkinson) Pharmacology, University of Manitoba. Biochemical and neurobehavioral investigations of the adenosinergic system in fetal alcohol syndrome.	$28,000.00
Tanguy, Stephane (Dr. E. Kardami) Institute of Cardiovascular Sciences, St. Boniface Hospital Research Centre. Role of protein kinase C isoforms in cardiac myocyte proliferation.	$28,000.00
Travel allowances	$ 8,000.00
TOTAL	**$ 232,000.00**

POSTDOCTORAL FELLOWSHIP RENEWALS

Fellow (Supervisor), Department, Institution. **Project or Field of Research.**	**Award**
Tyas, Suzanne L., (Manfreda/Montgomery), Centre on Aging, University of Manitoba. Risk factors and incidence rates for dementia.	$ 28,000.00
Travel allowance	$ 1,000.00
TOTAL	**$ 29,000.00**

NEW STUDENTSHIP AWARDS

Student (Supervisor), Department, Institution. **Project or Field of Research.**	**Award**
Abrenica, Bernard (Dr. J. S. C. Gilchrist) Division of Stroke & Vascular Disease, St. Boniface Hospital Research Centre. Mobilization of Ca2+ pools in the perinuclear lumen regulates nuclear Ca2+ concentration.	$15,692.00
Bromberg, Pamela (Dr. K.M. Gough) Chemistry, University of Manitoba. Biophysical Chemistry: Biomedical applications of Fourier tranform infrared spectroscopy in the mid-infrared.	$15,692.00
Carlin, Kevin (Dr. R. M. Brownstone) Physiology, University of Manitoba. The modulation of calcium currents in postnatal spinal motoneurones.	$15,692.00
Carrie, Anita (Dr. G. G. Zhanel) Pharmacy, University of Manitoba. Pharmacoepidemiology.	$15,692.00
Chambers, Kathleen (Dr. R. P. Bird) Foods & Nutrition, University of Manitoba. Nutritional Sciences, Ph.D.	$15,692.00
Cheung, Wang-Kit (Dr. J. F. Brewster) Statistics, University of Manitoba. Statistical Genetics- Bioinformatics.	$15,692.00
Daly, Lisa (Dr. P. A. Cattini) Physiology, University of Manitoba. Molecular Biology: The tissue-specific transcriptional regulation of human growth hormone gene family.	$15,692.00
Dullat, Charan (Dr. R. Grymonpre) Pharmacy, University of Manitoba. Validity and reliability of a prescription claims database (DPIN) to measure mediation adherence in the elderly.	$15,692.00
Faustino, Randolph (Dr. G. Pierce) Division of Stroke & Vascular Disease, St. Boniface Hospital Research Centre. Vascular physiology: Regulatory proteins of the nuclear pore complex.	$15,692.00

Student (Supervisor), Department, Institution. **Project or Field of Research.**	**Award**
Frankenstein, Uta (Dr. M. C. McIntyre) Institute for Biodiagnostics, National Research Council. Neuroscience: Blood oxygen level dependent (BOLD) functional magnetic resonance imaging (fMRI) of the anterior cingulate gyrus (ACG) and associated neural networks during pain.	$15,692.00
Goralski, Kerry (Dr. D. S. Sitar) Pharmacology, University of Manitoba. Pharmacology and Therapeutics, Ph.D.	$15,692.00
Hao, Jianming (Dr. I. M. C. Dixon) Physiology, Institute of Cardiovascular Sciences, St. Boniface Hospital Research Centre. Physiology/Molecular Biology: TGF-B signaling and cardiac fibrosis during heart failure after myocardial infarction.	$15,692.00
Holens, Pamela (Dr. R. V. De Luca) Psychology, University of Manitoba. Clinical Psychology.	$15,692.00
Jiang, Yan (Dr. P. C. Choy) Biochemistry, University of Manitoba. Biochemistry and Molecular Biology, MSc.	$15,692.00
Kelly, Sherrie (Dr. B. Triggs-Raine) Biochemistry, University of Manitoba. Determination of the role of the hGrb14 BPS domain in insulin signaling.	$15,692.00
Li, Mingyi (Dr. D. A. Court) Microbiology, University of Manitoba. Molecular Biology: Motochondrial DNA replication machinery.	$15,692.00
Nguyen, Mirei (Dr. P. Zahradka) Physiology, University of Manitoba. Cardiovascular Physiology.	$15,692.00
Patrick, Megan (Dr. K. Coombs) Medical Microbiology, University of Manitoba. Basic Virology: Molecular and genetic study of avian reovirus mutants.	$15,692.00

Student (Supervisor), Department, Institution. Project or Field of Research.	Award
Purda, Blair (Dr. C. J. Metge) Pharmacy, University of Manitoba. Evaluating the economic implications of regionalization on pharmacy services in the Winnipeg Hospital Authority: Does regionalization lead to allocative efficiency?	$15,692.00
Regula, Kelly (Dr. L. A. Kirshenbaum) Institute of Cardiovascular Sciences, St. Boniface Hospital Research Centre. MSc in Cardiovascular Physiology.	$15,692.00
Sadri, Parissa (Dr. W. W. Lautt) Pharmacology, University of Manitoba. Pharmacology: The role of nitric oxide in the hepatic control of insulin sensitivity.	$15,692.00
Schroeder, Patricia (Dr. B. Hasinoff) Pharmacy, University of Manitoba. Medicinal chemistry.	$15,692.00
Shooshtari, Shahin (Dr. T. K. Young) Community Health Sciences, University of Manitoba. Stress, social support and people with disabilities: A population-level inquiry.	$15,692.00
Wang, Jingwei (Dr. N. S. Dhalla) Institute of Cardiovascular Sciences, St. Boniface Hospital Research Centre. Cardiovascular physiology.	$15,692.00
Wood, Heidi (Dr. R. W. Peeling) Medical Microbiology, University of Manitoba. Role of chlamydial heat shock proteins in protection and pathogenesis of chlamydial infection.	$15,692.00
TOTAL	**$392,300.00**

STUDENTSHIP RENEWAL AWARDS

Student (Supervisor), Department, Institution. **Project or Field of Research.**	**Award**
Berndt, Anita, (J. Bews), Manitoba Institute of Cell Biology, Manitoba Cancer Treatment & Research Foundation. Virtual reality assisted brachytherapy.	$15,692.00
Chartier, Mariette J., (J.R. Walker) Community Health Sciences, University of Manitoba. Masters thesis in Community Health Sciences.	$15,692.00
Johnston, James B., (C. Power), Medical Microbiology, University of Manitoba. Retrovirology feline immunodeficiency virus (FIV) infection of human cells.	$15,692.00
Labun, Nina, (P. Hawranik), Faculty of Nursing, University of Manitoba. Nursing: Gerontology Program Major	$15,692.00
Lewkowich, Ian P., (K.T. HayGlass), Immunology, University of Manitoba. The role of interleukin 12 and 18 in T cell activation.	$15,692.00
McCurdy, Boyd, (S. Pistorius), Manitoba Institute of Cell Biology, Manitoba Cancer Treatment & Research Foundation. Development/ evaluation of analytic models for therapeutic dose in portal imagers.	$15,692.00
McManus, Kirk J., (T. Zelinski) Human Genetics, University of Manitoba. Human genetics-MSc.	$15,692.00
Mou, Yanglong, (J.A. Wilkins), Medical Microbiology, University of Manitoba. The regulation of adhesion molecules.	$15,692.00
Vande Velde, Christine D.C., (A.H. Greenberg), Manitoba Institute of Cell Biology, Manitoba Cancer Treatment & Research Foundation. Mechanism of activation of apoptosis by the mitochondrial protein, Nip3.	$15,692.00
TOTAL	**$141,228.00**

UNIVERSITY/INDUSTRY PROGRAM

SCIENTIFIC REVIEW COMMITTEE

Dr. Grant Pierce, Chair
Div. of Stroke and Vascular Disease,
St. Boniface Hospital Research Ctr.

Dr. Dean Kriellaars
Department of Medical Rehabilitation
Health Sciences Centre

Dr. Michael Butler
Department of Microbiology
University of Manitoba

Mr. Nigel Lilley
Dept of Industry, Trade & Mines
Province of Manitoba

Dr. Donna Chow
Department of Immunology
University of Manitoba

Mr. Tom McCormack
Department of Health
Province of Manitoba

Dr. Wendy Johnson
Cangene Corporation

Dr. Magdy Younes
Department of Internal Medicine
University of Manitoba

UNIVERSITY/INDUSTRY OPERATING GRANTS

Investigator(s), Department, Institution/Company. **Project Title.**	**Award** **MHRC/Company**
Lautt, Wayne, Pharmacology, University of Manitoba/Diabex Inc. Cell biology facilty to facilitate development of type 2 diabetes diagnosis and treatment.	$94,000.00/$94,000.00
Pierce, Grant, Div. of Stroke & Vascular Disease, St. Boniface Hospital Research Centre/Flax Council of Canada. Cellular basis for the cardioprotective action of flax.	$38,456.00/$38,456.00
Totals	**$132,456.00/$132,456.00**